

## Makris, Susan

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**From:** Makris, Susan  
**Sent:** Friday, January 10, 2014 6:16 PM  
**To:** Johnson, Paula D - (pauladj)  
**Subject:** RE: Another question

Hi Paula, Thanks for your response. It seems that the set numbers don't tell the whole story, since there are so many set numbers and they don't always correlate with the treated groups. Based on what I know about the numbers of fetuses and litters, I can make a guesstimate of which controls might have been assigned to each study, but the set numbers don't always match up the way I logically think they should. So I'm going to quit trying to figure it out, and ask another question instead.

There were 9 control litters that had fetuses with cardiac defects. The first 5, with set numbers 4 and 9, were all discussed in Dawson et al. 1993 and so must have been on study between 1989 and 1992. The other 4 controls with cardiac defects (set numbers 17, 19, 20, and 23) were always lumped together in subsequent publications. I was wondering whether some of these control litters were from the metabolite studies, and some were from the low-dose TCE study controls, and therefore spread out in time, or were they clustered within a short temporal period? I know it's been a long time since these studies were conducted, so I will be amazed if you can recall what happened.

I hope you have a good weekend! Sue

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**From:** Johnson, Paula D - (pauladj) [mailto:pauladj@email.arizona.edu]  
**Sent:** Thursday, January 09, 2014 3:11 PM  
**To:** Makris, Susan  
**Subject:** RE: Another question

Hi Susan,

Sorry for the delay ... I'm just back to my office .. yesterday was tied up in surgeries. The Set numbers (First column S#) would be the closest I could get to telling you which controls went with which group. Set 6 treatment and Set 6 Control were in the same group of animals. But, I know there would have been several 'sets' run at one time and that data I have no record of. So, for example, Set 4, 5 and 6 were probably run at the same time, etc.

I hope this gives some help?! Can't apologize enough. Good luck, Paula

Paula D. Johnson, DVM, MS

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**From:** Makris, Susan [<mailto:Makris.Susan@epa.gov>]  
**Sent:** Tuesday, January 07, 2014 9:26 PM  
**To:** Johnson, Paula D - (pauladj)  
**Subject:** Another question

Hi Paula, Happy new year! I apologize for bothering you (again). I have a question that I'm hoping you can answer for the TCE developmental tox data. In the cardiac data you had sent to me several years ago (copy attached), the animal codes for blind treatment were provided. I was wondering if those codes can identify which control animals were on study as concurrent controls for the various TCE treated groups (or at the specific study dates you published in EHP 2005. 113(1):A18). Our statistician wants to do an analysis of temporal aspects of the data, and to do that he would need to have information about which controls were on study at what time. I tried to figure it out based on info in all the relevant publications that reported this set of control data, but I still ended up with pieces of the puzzle missing. (The story of my life!) I truly appreciate any information you can provide on this issue. Thanks! Sue

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